



ELSEVIER

Aquatic Botany 62 (1999) 285-291

**Aquatic
botany**

Author Index, Vols. 60-62

Aioi, K., T. Komatsu and K. Morita
The world's longest seagrass, *Zostera caulescens* from northeastern Japan. (61) (1998) 87

Alberte, R.S., *see* Kraemer, G.P. (62) (1998) 189

Alberte, R.S., *see* Procaccini, G. (62) (1999) 269

Ambrose, J.C., *see* Chambers, R.M. (62) (1998) 161

Andersen, F., *see* Holmer, M. (60) (1998) 307

Andrew, N.L. and R.M. Viejo
Ecological limits to the invasion of *Sargassum muticum* in northern Spain (60) (1998) 251

Anghera, M., *see* Reed, D.C. (62) (1998) 71

Arsuffi, T.L., *see* Newell, S.Y. (60) (1998) 325

Ater, M., *see* Ennabili, A. (62) (1998) 45

Bailey, P.C.E., *see* Warwick, N.W.M. (62) (1998) 19

Baker, A.J.M., *see* Ye, Z. (61) (1998) 55

Balázs, S., *see* Szabó, S. (60) (1998) 189

Baldwin, A.H. and I.A. Mendelsohn
Effects of salinity and water level on coastal marshes: an experimental test of disturbance as a catalyst for vegetation change. (61) (1998) 255

Balestri, E., L. Piazzi and F. Cinelli
In vitro germination and seedling development of *Posidonia oceanica* (60) (1998) 83

Barrat-Segretain, M.-H., G. Bornette and A. Hering-Vilas-Boas
Comparative abilities of vegetative regeneration among aquatic plants growing in disturbed habitats (60) (1998) 201

Barrera, O., *see* Vázquez, G. (60) (1998) 409

Bauer, V., *see* Čížková, H. (61) (1998) 239

Beardall, J., *see* Light, B.R. (61) (1998) 39

Bird, K.T., J.R. Johnson and J. Jewett-Smith
In vitro culture of the seagrass *Halophila decipiens* (60) (1998) 377

Blanch, S.J., G.G. Ganf and K.F. Walker
Growth and recruitment in *Vallisneria americana* as related to average irradiance in the water column (61) (1998) 181

Bornette, G., *see* Barrat-Segretain, M.-H. (60) (1998) 201

Braun, M., *see* Szabó, S. (60) (1998) 189

Brenchley, J.L. and R.J. Probert
Seed germination responses to some environmental factors in the seagrass *Zostera capricorni* from eastern Australia (62) (1998) 177

Brix, H., *see* Jespersen, D.N. (61) (1998) 165

Brock, M.A. and K.H. Rogers
The regeneration potential of the seed bank of an ephemeral floodplain in South Africa (61) (1998) 123

Čížková, H. and V. Bauer
Rhizome respiration of *Phragmites australis*: Effect of rhizome age, temperature, and nutrient status of the habitat (61) (1998) 239

Cebrián, J. and C.M. Duarte
 Patterns in leaf herbivory on seagrasses..... (60) (1998) 67
 Center, T.D., *see* Van, T.K..... (62) (1999) 225
 Chambers, R.M., T.J. Mozdzer and J.C. Ambrose
 Effects of salinity and sulfide on the distribution of *Phragmites australis* and
Spartina alterniflora in a tidal saltmarsh..... (62) (1998) 161
 Childers, D.L., *see* Daoust, R.J..... (62) (1998) 115
 Choi, H.-K., *see* Shin, H..... (60) (1998) 49
 Christensen, K.K. and C. Wigand
 Formation of root plaques and their influence on tissue phosphorus content in
Lobelia dortmanna..... (61) (1998) 111
 Christensen, K.K., *see* Holmer, M..... (60) (1998) 307
 Cinelli, F., *see* Balestri, E..... (60) (1998) 83
 Clevering, O.A.
 An investigation into the effects of nitrogen on growth and morphology of stable
 and die-back populations of *Phragmites australis*..... (60) (1998) 11
 Clevering, O.A. and M.P.J. Hundscheid
 Plastic and non-plastic variation in growth of newly established clones of *Scirpus*
(Bolboschoenus) maritimus L. grown at different water depths..... (62) (1998) 1
 Cochrane, B.J., *see* Kirsten, J.H..... (61) (1998) 269
 Cole, M.A., *see* Streever, W.J..... (62) (1998) 33
 Colmenero, L.R. and J.L.S. Lizaso
 Effects of *Calpensia nobilis* (Esper 1796) (Bryozoa: Cheilostomida) on the seagrass
Posidonia oceanica (L.) Delile..... (62) (1999) 217
 Coops, H., *see* Van den Berg, M.S..... (60) (1998) 241
 Crow, G.E., *see* Ritter, N.P..... (60) (1998) 389
 Daoust, R.J. and D.L. Childers
 Quantifying aboveground biomass and estimating net aboveground primary
 production for wetland macrophytes using a non-destructive phenometric
 technique..... (62) (1998) 115
 Dawes, C.J., *see* Kirsten, J.H..... (61) (1998) 269
 de Keizer, A., *see* Van den Berg, M.S..... (60) (1998) 241
 den Hartog, C., *see* van Katwijk, M.M..... (60) (1998) 283
 Dewender, M., *see* Kohl, J.-G..... (60) (1998) 221
 Doyle, R.D. and R.M Smart
 Competitive reduction of noxious *Lyngbya wollei* mats by rooted aquatic plants .. (61) (1998) 17
 Duarte, C.M., *see* Cebrián, J..... (60) (1998) 67
 Dunson, W.A., *see* Lentz, K.A..... (60) (1998) 213
 Ennabili, A., M. Ater and M. Radoux
 Biomass production and NPK retention in macrophytes from wetlands of the
 Tingitan Peninsula..... (62) (1998) 45
 Figueroa, F., *see* Häder, D..... (61) (1998) 225
 Fontaine, T., *see* Newman, S..... (60) (1998) 265
 Franceschi, V.R., *see* Tarlyn, N.M..... (60) (1998) 161
 Gafny, S. and A. Gasith
 Spatially and temporally sporadic appearance of macrophytes in the littoral zone of
 Lake Kinneret, Israel: taking advantage of a window of opportunity..... (62) (1999) 249
 Ganf, G.G., *see* Blanch, S.J..... (61) (1998) 181
 Ganf, G.G., *see* White, S.D..... (62) (1998) 57
 Gasith, A., *see* Gafny, S..... (62) (1999) 249
 Gaur, J.P., *see* Ghosh, M..... (60) (1998) 1
 Genders, A.J., *see* Streever, W.J..... (62) (1998) 33
 Ghetti, P.F., *see* Sfriso, A..... (61) (1998) 207

Ghosh, M. and J.P. Gaur
 Current velocity and the establishment of stream algal periphyton communities (60) (1998) 1

Gómez, I., G. Weykam and C. Wiencke
 Photosynthetic metabolism and major organic compounds in the marine brown alga *Desmarestia menziesii* from King George Island (Antarctica) (60) (1998) 105

Gordon, E.
 Seed characteristics of plant species from riverine wetlands in Venezuela (60) (1998) 417

Gornall, R.J., *see* Hollingsworth, P.M. (60) (1998) 337

Gornall, R.J., *see* Hollingsworth, P.M. (60) (1998) 433

Goulder, R., *see* Linton, S. (60) (1998) 27

Grace, J.B. and R.G. Wetzel
 Long-term dynamics of *Typha* populations (61) (1998) 137

Grace, J.B., *see* Newman, S. (60) (1998) 265

Guttmann, S.I., *see* Schlueter, M.A. (61) (1998) 147

Guy, K.K., *see* Rea, T.E. (61) (1998) 289

Häder, D.-P., M. Lebert, F.L. Figueroa, C. Jiménez, B. Viñegla and E. Pérez-Rodríguez
 Photoinhibition in Mediterranean macroalgae by solar radiation measured on site by PAM fluorescence (61) (1998) 225

Hahn, P., *see* Madsen, T.V. (62) (1998) 95

Hanssen, L.S., *see* van Katwijk, M.M. (60) (1998) 283

Hering-Vilas-Bôas, A., *see* Barrat-Segretain, M.-H. (60) (1998) 201

Hicks, D.W., C.P. Onuf and J.W. Tunnell
 Response of shoal grass, *Halodule wrightii*, to extreme winter conditions in the Lower Laguna Madre, Texas (62) (1998) 107

Holbrook, S.J., *see* Reed, D.C. (62) (1998) 71

Hollingsworth, P.M., C.D. Preston and R.J. Gornall
 Euploid and aneuploid evolution in *Potamogeton* (Potamogetonaceae): a factual basis for interpretation (60) (1998) 337

Hollingsworth, P.M., C.D. Preston and R.J. Gornall
 Lack of detectable isozyme variability in British populations of *Potamogeton epihydrus* (Potamogetonaceae) (60) (1998) 433

Holmer, M., H.S. Jensen, K.K. Christensen, C. Wigand and F. Andersen
 Sulfate reduction in lake sediments inhabited by the isoetid macrophytes *Littorella uniflora* and *Isoetes lacustris* (60) (1998) 307

Hootsmans, M.J.M. and F. Wiegman
 Four halophyte species growing under salt stress: their salt of life? (62) (1998) 81

Hootsmans, M.J., *see* Santamaría, L. (60) (1998) 169

Hundscheid, M.P.J., *see* Clevering, O.A. (62) (1998) 1

Inglis, G.J. and M.P. Lincoln Smith
 Synchronous flowering of estuarine seagrass meadows (60) (1998) 37

Irigoyen, J.H., *see* Sabbatini, M.R. (60) (1998) 119

Itoh, K., *see* Wang, G. (62) (1998) 135

Jagtap, T.G.
 Structure of major seagrass beds from three coral reef atolls of Lakshadweep, Arabian Sea, India (60) (1998) 397

Jensen, H.S., *see* Holmer, M. (60) (1998) 307

Jernakoff, P. and J. Nielsen
 Plant-animal associations in two species of seagrasses in Western Australia (60) (1998) 359

Jespersen, D.N., B.K. Sorrell and H. Brix
 Growth and root oxygen release by *Typha latifolia* and its effects on sediment methanogenesis (61) (1998) 165

Jewett-Smith, J., *see* Bird, K.T. (60) (1998) 377

Jiménez, C., *see* Häder, D. (61) (1998) 225

Johansen, J., *see* Madsen, T.V. (62) (1998) 95
 Johnson, J.R., *see* Bird, K.T. (60) (1998) 377
 Karapataki, D.J., *see* Rea, T.E. (61) (1998) 289
 Keates, S.E., *see* Tarlyn, N.M. (60) (1998) 161
 Kirsten, J.H., C.J. Dawes and B.J. Cochrane
 Randomly amplified polymorphism detection (RAPD) reveals high genetic diversity
 in *Thalassia testudinum* banks ex König (Turtlegrass). (61) (1998) 269
 König, G., *see* Kohl, J.-G. (60) (1998) 221
 Kohl, J.-G., P. Wöitke, H. Kühl, M. Dewender and G. König
 Seasonal changes in dissolved amino acids and sugars in basal culm internodes as
 physiological indicators of the C/N-balance of *Phragmites australis* at littoral sites
 of different trophic status. (60) (1998) 221
 Kohrs, D., *see* Kraemer, G.P. (62) (1998) 189
 Komatsu, T., *see* Aioi, K. (61) (1998) 87
 Kostman, T.A., *see* Tarlyn, N.M. (60) (1998) 161
 Kraemer, G.P., D. Kohrs and R.S. Alberte
 Developmental changes of sucrose synthase activity and abundance in root and leaf
 tissues of *Zostera marina* (62) (1998) 189
 Kühl, H., *see* Kohl, J.-G. (60) (1998) 221
 Kusanagi, T., *see* Wang, G. (62) (1998) 135
 Landwehr, S., *see* Leuschner, C. (62) (1998) 171
 Lebert, M., *see* Häder, D. (61) (1998) 225
 Lentz, K.A. and W.A. Dunson
 Water level affects growth of endangered northeastern bulrush, *Scirpus
 ancistrochaetus* Schuyler. (60) (1998) 213
 Les, D.H., *see* Procaccini, G. (62) (1999) 269
 Leuschner, C., S. Landwehr and U. Mehlig
 Limitation of carbon assimilation of intertidal *Zostera noltii* and *Z. marina* by
 desiccation at low tide. (62) (1998) 171
 Light, B.R. and J. Beardall
 Distribution and spatial variation of benthic microalgal biomass in a temperate,
 shallow-water marine system. (61) (1998) 39
 Lincoln Smith, M.P., *see* Inglis, G.J. (60) (1998) 37
 Linton, S. and R. Goulder
 The duckweed *Lemna minor* compared with the alga *Selenastrum capricornutum*
 for bioassay of pond-water richness. (60) (1998) 27
 Livingston, R.J., S.E. McGlynn and X. Niu
 Factors controlling seagrass growth in a gulf coastal system: Water and sediment
 quality and light. (60) (1998) 135
 Lizaso, J.L.S., *see* Colmenero, L.R. (62) (1999) 217
 Luckenbach, M.W. and R.J. Orth
 Effects of a deposit-feeding invertebrate on the entrapment of *Zostera marina*
 L. seeds. (62) (1999) 235
 Mackey Jr., H.E., *see* Rea, T.E. (61) (1998) 289
 Mader, E., W. van Vierssen and K. Schwenk
 Clonal diversity in the submerged macrophyte *Potamogeton pectinatus* L. inferred
 from nuclear and cytoplasmic variation. (62) (1998) 147
 Madsen, T.V., P. Hahn and J. Johansen
 Effects of inorganic carbon supply on the nitrogen requirement of two submerged
 macrophytes, *Elodea canadensis* and *Callitrichia cophocarpa*. (62) (1998) 95
 Mazzella, L., *see* Procaccini, G. (62) (1999) 269
 McGlynn, S.E., *see* Livingston, R.J. (60) (1998) 135
 Mehlig, U., *see* Leuschner, C. (62) (1998) 171

Mendelssohn, I.A., *see* Baldwin, A.H. (61) (1998) 255

Menendez, M. and A. Sanchez
Seasonal variations in P-I responses of *Chara hispida* L. and *Potamogeton pectinatus* L. from stream mediterranean ponds (61) (1998) 1

Mercado-Ruaro, P., *see* Oropesa, N. (62) (1998) 207

Middelburg, J.J., *see* van der Nat, F.-J.W.A. (61) (1998) 95

Miller, D.L., F.E. Smeins and J.W. Webb
Response of a Texas *distichlis spicata* coastal marsh following lesser snow goose herbivory (61) (1998) 301

Moreno-Casasola, P., *see* Vázquez, G. (60) (1998) 409

Morita, K., *see* Aioi, K. (61) (1998) 87

Mozdzer, T.J., *see* Chambers, R.M. (62) (1998) 161

Murphy, K.J., *see* Sabbatini, M.R. (60) (1998) 119

Nakata, P.A., *see* Tarlyn, N.M. (60) (1998) 161

Newell, S.Y., T.L. Arsuffi and L.A. Palm
Seasonal and vertical demography of dead portions of shoots of smooth cordgrass in a south-temperate saltmarsh (60) (1998) 325

Newman, S., J. Schuette, J.B. Grace, K. Rutche, T. Fontaine, K.R. Reddy and M. Pietrucha
Factors influencing cattail abundance in the northern Everglades (60) (1998) 265

Nielsen, J., *see* Jernakoff, P. (60) (1998) 359

Niu, X., *see* Livingston, R.J. (60) (1998) 135

Onuf, C.P., *see* Hicks, D.W. (62) (1998) 107

Oropesa, N., P. Mercado-Ruaro, A.N. Retana and C.T. Philbrick
Karyomorphological studies of Mexican species of *Marathrum* (Podostemaceae) (62) (1998) 207

Orth, R.J., *see* Luckenbach, M.W. (62) (1999) 235

Palm, L.A., *see* Newell, S.Y. (60) (1998) 325

Philbrick, C.T and A.N. Retana
Flowering phenology, pollen flow, and seed production in *Marathrum rubrum* (Podostemaceae) (62) (1998) 199

Philbrick, C.T., *see* Oropesa, N. (62) (1998) 207

Piazzesi, L., *see* Balestri, E. (60) (1998) 83

Pietrucha, M., *see* Newman, S. (60) (1998) 265

Pinder III, J.E., *see* Rea, T.E. (61) (1998) 289

Preston, C.D., *see* Hollingsworth, P.M. (60) (1998) 337

Preston, C.D., *see* Hollingsworth, P.M. (60) (1998) 433

Probert, R.J., *see* Brenchley, J.L. (62) (1998) 177

Procaccini, G., L. Mazzella, R.S. Alberte and D.H. Les
Chloroplast tRNA^{Leu} (UAA) intron sequences provide phylogenetic resolution of seagrass relationships (62) (1999) 269

Radoux, M., *see* Ennabili, A. (62) (1998) 45

Rea, T.E., D.J. Karapataki, K.K. Guy, J.E. Pinder III and H.E. Mackey Jr.
The relative effects of water depth, fetch and other physical factors on the development of macrophytes in a small southeastern US pond (61) (1998) 289

Reddy, K.R., *see* Newman, S. (60) (1998) 265

Reed, D.C., S.J. Holbrook, E. Solomon and M. Anghera
Studies on germination and root development in the surfgrass *Phyllospadix torreyi*: implications for habitat restoration (62) (1998) 71

Reisinger, O., *see* Szabó, S. (60) (1998) 189

Retana, A.N., *see* Philbrick, C.T. (62) (1998) 199

Retang, A.N., *see* Oropesa, N. (62) (1998) 207

Ritter, N.P. and G.E. Crow
Myriophyllum quitense Kunth (Haloragaceae) in Bolivia: A terrestrial growth-form with bisexual flowers *M. quitense* (60) (1998) 389

Rogers, K.H., *see* Brock, M.A. (61) (1998) 123

Rutчey, K., *see* Newman, S. (60) (1998) 265

Sabbatini, M.R., K.J. Murphy and J.H. Irigoyen
Vegetation-environment relationships in irrigation channel systems of southern Argentina. (60) (1998) 119

Sanchez, A., *see* Menendez, M. (61) (1998) 1

Santamaría, L. and M.J. Hootsmans
The effect of temperature on the photosynthesis, growth and reproduction of a Mediterranean submerged macrophyte, *Ruppia* *drepanensis* (60) (1998) 169

Schlüter, M.A. and S.I. Guttman
Gene flow and genetic diversity of turtle grass, *Thalassia testudinum*, in the lower Florida Keys (61) (1998) 147

Schmitz, G.H., *see* van Katwijk, M.M. (60) (1998) 283

Schuette, J., *see* Newman, S. (60) (1998) 265

Schwenk, K., *see* Mader, E. (62) (1998) 147

Sfriso, A. and P.F. Ghetti
Seasonal variation in biomass, morphometric parameters and production of seagrasses in the lagoon of Venice (61) (1998) 207

Sharma, B.D.
Fungal associations in the roots of three species of *Isoetes* L. (61) (1998) 33

Shin, H. and H.-K. Choi
Taxonomy and distribution of *Zostera* (*Zosteraceae*) in eastern Asia, with special reference to Korea (60) (1998) 49

Simons, J., *see* Van den Berg, M.S. (60) (1998) 241

Smart, R.M., *see* Doyle, R.D. (61) (1998) 17

Smeins, F.E., *see* Miller, D.L. (61) (1998) 301

Solomon, E., *see* Reed, D.C. (62) (1998) 71

Sorrell, B.K., *see* Jespersen, D.N. (61) (1998) 165

Streever, W.J., A.J. Genders and M.A. Cole
A closed chamber CO₂ flux method for estimating marsh productivity (62) (1998) 33

Szabó, S., M. Braun, S. Balázs and O. Reisinger
Influences of nine algal species isolated from duckweed-covered sewage miniponds on *Lemma gibba* L. (60) (1998) 189

Tarlyn, N.M., T.A. Kostman, P.A. Nakata, S.E. Keates and V.R. Franceschi
Axenic culture of *Pistia stratiotes* for use in plant biochemical studies (60) (1998) 161

Tunnell, J.W., *see* Hicks, D.W. (62) (1998) 107

Vázquez, G., P. Moreno-Casasola and O. Barrera
Interaction between algae and seed germination in tropical dune slack species: a facilitation process (60) (1998) 409

Van den Berg, M.S., H. Coops, J. Simons and A. de Keizer
Competition between *Chara aspera* and *Potamogeton pectinatus* as a function of temperature and light (60) (1998) 241

van der Nat, F.-J.W.A. and J.J. Middelburg
Seasonal variation in methane oxidation by the rhizosphere of *Phragmites australis* and *Scirpus lacustris* (61) (1998) 95

van Katwijk, M.M., G.H. Schmitz, L.S. Hanssen and C. den Hartog
Suitability of *Zostera marina* populations for transplantation to the Wadden Sea as determined by a mesocosm shading experiment (60) (1998) 283

van Tussenbroek, B.I.
Above- and below-ground biomass and production by *Thalassia testudinum* in a tropical reef lagoon (61) (1998) 69

van Vierssen, W., *see* Mader, E. (62) (1998) 147

Van, T.K., G.S. Wheeler and T.D. Center
 Competition between *Hydrilla verticillata* and *Vallisneria americana* as influenced
 by soil fertility (62) (1999) 225

Viejo, R.M., *see* Andrew, N.L. (60) (1998) 251

Vinegra, B., *see* Häder, D. (61) (1998) 225

Walker, K.F., *see* Blanch, S.J. (61) (1998) 181

Wang, G., Y. Yamasue, K. Itoh and T. Kusanagi
 Outcrossing rates as affected by pollinators and the heterozygote advantage of
Monochoria korsakowii (62) (1998) 135

Warwick, N.W.M. and P.C.E. Bailey
 The effect of time of exposure to NaCl on leaf demography and growth for two
 non-halophytic wetland macrophytes, *Potamogeton tricarinatus* F. Muell. and
 A. Benn. Ex A. Benn. and *Triglochin procera* R.Br. (62) (1998) 19

Webb, J.W., *see* Miller, D.L. (61) (1998) 301

Wetzel, R.G., *see* Grace, J.B. (61) (1998) 137

Weykam, G., *see* Gómez, I. (60) (1998) 105

Wheeler, G.S., *see* Van, T.K. (62) (1999) 225

White, S.D. and G.G. Ganf
 The influence of convective flow on rhizome length in *Typha domingensis* over
 a water depth gradient (62) (1998) 57

Wiegman, F., *see* Hootsmans, M.J. (62) (1998) 81

Wiencke, C., *see* Gómez, I. (60) (1998) 105

Wigand, C., *see* Holmer, M. (60) (1998) 307

Wigand, C., *see* Christensen, K.K. (61) (1998) 111

Willis, A.J., *see* Ye, Z. (61) (1998) 55

Woitke, P., *see* Kohl, J.-G. (60) (1998) 221

Wong, M.-H., *see* Ye, Z. (61) (1998) 55

Yamasue, Y., *see* Wang, G. (62) (1998) 135

Ye, Z., A.J.M. Baker, M.-H. Wong and A.J. Willis
 Zinc, lead and cadmium accumulation and tolerance in *Typha latifolia* as affected
 by iron plaque on the root surface (61) (1998) 55





ELSEVIER

Subject Index, Vols. 60–62

Acclimation

The effect of temperature on the photosynthesis, growth and reproduction of a Mediterranean submerged macrophyte, *Ruppia* *depanensis* 60 (1998) 169

Activated charcoal

In vitro culture of the seagrass *Halophila* *decipiens* 60 (1998) 377

Aeration

Growth and root oxygen release by *Typha* *latifolia* and its effects on sediment methanogenesis 61 (1998) 165

The influence of convective flow on rhizome length in *Typha* *domingensis* over a water depth gradient 62 (1998) 57

Algae

Influences of nine algal species isolated from duckweed-covered sewage miniponds on *Lemna* *gibba* L. 60 (1998) 189

Interaction between algae and seed germination in tropical dune slack species: a facilitation process 60 (1998) 409

Algal mat

Competitive reduction of noxious *Lyngbya* *wolfei* mats by rooted aquatic plants 61 (1998) 17

Alismataceae

Gene flow and genetic diversity of turtle grass, *Thalassia* *testudinum*, banks ex König, in the lower Florida Keys 61 (1998) 147

Allometric techniques

Quantifying aboveground biomass and estimating net aboveground primary production for wetland macrophytes using a non-destructive phenometric technique 62 (1998) 115

Allozymes

Gene flow and genetic diversity of turtle grass, *Thalassia* *testudinum*, banks ex König, in the lower Florida Keys 61 (1998) 147

Anaerobic sediment

Seed germination responses to some environmental factors in the seagrass *Zostera* *capricorni* from eastern Australia 62 (1998) 177

Antarctic macroalgae

Photosynthetic metabolism and major organic compounds in the marine brown alga *Desmarestia* *menziesii* from King George Island (Antarctica) 60 (1998) 105

Aquatic macrophyte

Axenic culture of *Pistia stratiotes* for use in plant biochemical studies 60 (1998) 161

Clonal diversity in the submerged macrophyte *Potamogeton* *pectinatus* L. inferred from nuclear and cytoplasmic variation 62 (1998) 147

Aquatic macrophytes

Myriophyllum *quitense* Kunth (Haloragaceae) in Bolivia: A terrestrial growth-form with bisexual flowers *M. quitense* 60 (1998) 389

Aquatic plant

Formation of root plaques and their influence on tissue phosphorus content in *Lobelia* *dortmanna* 61 (1998) 111

Aquatic plants

Flowering phenology, pollen flow, and seed production in *Marathrum* *rubrum* (Podostemaceae) 62 (1998) 199

Aquatic vascular plants

Comparative abilities of vegetative regeneration among aquatic plants growing in disturbed habitats 60 (1998) 201

Aquatic weeds

Vegetation-environment relationships in irrigation channel systems of southern Argentina 60 (1998) 119

Asparagine

Seasonal changes in dissolved amino acids and sugars in basal culm internodes as physiological indicators of the C/N-balance of *Phragmites australis* at littoral sites of different trophic status 60 (1998) 221

Association

Fungal associations in the roots of three species of *Isoetes L.* 61 (1998) 33

Autogamy

Flowering phenology, pollen flow, and seed production in *Marathrum rubrum* (Podostemaceae) 62 (1998) 199

Axenic culture

Axenic culture of *Pistia stratiotes* for use in plant biochemical studies 60 (1998) 161

Benthic algae

Competitive reduction of noxious *Lyngbya wollei* mats by rooted aquatic plants 61 (1998) 17

Benthic invertebrates

Effects of a deposit-feeding invertebrate on the entrapment of *Zostera marina L.* seeds 62 (1999) 235

Benthic microalgae

Distribution and spatial variation of benthic microalgal biomass in a temperate, shallow-water marine system 61 (1998) 39

Bioassay

The duckweed *Lemna minor* compared with the alga *Selenastrum capricornutum* for bioassay of pond-water richness 60 (1998) 27

Biomass

Distribution and spatial variation of benthic microalgal biomass in a temperate, shallow-water marine system 61 (1998) 39

Biomass allocation

Plastic and non-plastic variation in growth of newly established clones of *Scirpus (Bolboschoenus) maritimus L.* grown at different water depths 62 (1998) 1

Biomass and nitrogen allocation

An investigation into the effects of nitrogen on growth and morphology of stable and die-back populations of *Phragmites australis* 60 (1998) 11

Biomass partitioning

Above- and below-ground biomass and production by *Thalassia testudinum* in a tropical reef lagoon 61 (1998) 69

Biomass production

Biomass production and NPK retention in macrophytes from wetlands of the Tingitan Peninsula 62 (1998) 45

Competition between *Hydrilla verticillata* and *Vallisneria americana* as influenced by soil fertility 62 (1999) 225

Biovolume

Current velocity and the establishment of stream algal periphyton communities 60 (1998) 1

Bolivia

Myriophyllum quitense Kunth (Haloragaceae) in Bolivia: A terrestrial growth-form with bisexual flowers *M. quitense* 60 (1998) 389

Branching hierarchy

Rhizome respiration of *Phragmites australis*: Effect of rhizome age, temperature, and nutrient status of the habitat 61 (1998) 239

Calpensia nobilis

Effects of *Calpensia nobilis* (Esper 1796) (Bryozoa: Cheilostomida) on the seagrass *Posidonia oceanica* (L.) Delile 62 (1999) 217

Canopy structure

The world's longest seagrass, *Zostera caulescens* from northeastern Japan 61 (1998) 87

Carbon assimilation

Limitation of carbon assimilation of intertidal *Zostera noltii* and *Z. marina* by desiccation at low tide 62 (1998) 171

Cattail

Factors influencing cattail abundance in the northern Everglades 60 (1998) 265

Growth and root oxygen release by *Typha latifolia* and its effects on sediment methanogenesis 61 (1998) 165

Chara hispida

Seasonal variations in P-I responses of *Chara hispida* L. and *Potamogeton pectinatus* L. from stream mediterranean ponds 61 (1998) 1

Charophytes

Competition between *Chara aspera* and *Potamogeton pectinatus* as a function of temperature and light 60 (1998) 241

Chlorophyll *a*

Distribution and spatial variation of benthic microalgal biomass in a temperate, shallow-water marine system 61 (1998) 39

Chlorophyta

Photoinhibition in Mediterranean macroalgae by solar radiation measured on site by PAM fluorescence 61 (1998) 225

Chloroplast DNA

Clonal diversity in the submerged macrophyte *Potamogeton pectinatus* L. inferred from nuclear and cytoplasmic variation 62 (1998) 147

Chloroplast tRNA^{Leu} (UAA) intron sequences provide phylogenetic resolution of seagrass relationships 62 (1999) 269

Chromosome number

Karyomorphological studies of Mexican species of *Marathrum* (Podostemaceae) 62 (1998) 207

Chromosome numbers

Euploid and aneuploid evolution in *Potamogeton* (Potamogetonaceae): a factual basis for interpretation 60 (1998) 337

Clymenella torquata

Effects of a deposit-feeding invertebrate on the entrapment of *Zostera marina* L. seeds 62 (1999) 235

CO₂

Effects of inorganic carbon supply on the nitrogen requirement of two submerged macrophytes, *Elodea canadensis* and *Callitrichia cophocarpa* 62 (1998) 95

CO₂ release

Rhizome respiration of *Phragmites australis*: Effect of rhizome age, temperature, and nutrient status of the habitat 61 (1998) 239

Coastal wetlands

Effects of salinity and water level on coastal marshes: an experimental test of disturbance as a catalyst for vegetation change 61 (1998) 255

Colonisation

Comparative abilities of vegetative regeneration among aquatic plants growing in disturbed habitats 60 (1998) 201

Colonization

Current velocity and the establishment of stream algal periphyton communities 60 (1998) 1

Common reed

Seasonal changes in dissolved amino acids and sugars in basal culm internodes as physiological indicators of the C/N-balance of *Phragmites australis* at littoral sites of different trophic status 60 (1998) 221

Competition

Long-term dynamics of *Typha* populations 61 (1998) 137

Competition between *Hydrilla verticillata* and *Vallisneria americana* as influenced by soil fertility 62 (1999) 225

Competitive exclusion

Competitive reduction of noxious *Lyngbya wollei* mats by rooted aquatic plants 61 (1998) 17

Conservation

In vitro germination and seedling development of *Posidonia oceanica* 60 (1998) 83

Lack of detectable isozyme variability in British populations of *Potamogeton epihydrus* (Potamogetonaceae) 60 (1998) 433

Critical nutrient concentration

Effects of inorganic carbon supply on the nitrogen requirement of two submerged macrophytes, *Elodea canadensis* and *Callitrichia cophocarpa* 62 (1998) 95

Culture medium

In vitro culture of the seagrass *Halophila decipiens* 60 (1998) 377

Current velocity

Current velocity and the establishment of stream algal periphyton communities 60 (1998) 1

Cymodocea nodosa

Seasonal variation in biomass, morphometric parameters and production of seagrasses in the lagoon of Venice 61 (1998) 207

Cyperaceae

Water level affects growth of endangered northeastern bulrush, *Scirpus acutostachys* Schuyler 60 (1998) 213

Depth

The relative effects of water depth, fetch and other physical factors on the development of macrophytes in a small southeastern US pond 61 (1998) 289

Desiccation tolerance

Limitation of carbon assimilation of intertidal *Zostera noltii* and *Z. marina* by desiccation at low tide 62 (1998) 171

Desmarestia menziesii

Photosynthetic metabolism and major organic compounds in the marine brown alga *Desmarestia menziesii* from King George Island (Antarctica) 60 (1998) 105

Developmental patterns

Plastic and non-plastic variation in growth of newly established clones of *Scirpus (Bolboschoenus) maritimus* L. grown at different water depths 62 (1998) 1

Diatoms

Current velocity and the establishment of stream algal periphyton communities 60 (1998) 1

Diffusion

The influence of convective flow on rhizome length in *Typha domingensis* over a water depth gradient 62 (1998) 57

Diffusive resistance

The influence of convective flow on rhizome length in *Typha domingensis* over a water depth gradient 62 (1998) 57

Dispersal

Clonal diversity in the submerged macrophyte *Potamogeton pectinatus* L. inferred from nuclear and cytoplasmic variation 62 (1998) 147

Effects of a deposit-feeding invertebrate on the entrapment of *Zostera marina* L. seeds 62 (1999) 235

Dissolved organic carbon

Sulfate reduction in lake sediments inhabited by the isoetid macrophytes *Littorella uniflora* and *Isoetes lacustris* 60 (1998) 307

Distichlis spicata

Response of a Texas *distichlis spicata* coastal marsh following lesser snow goose herbivory 61 (1998) 301

Distribution

Taxonomy and distribution of *Zostera (Zosteraceae)* in eastern Asia, with special reference to Korea 60 (1998) 49

Distribution and spatial variation of benthic microalgal biomass in a temperate, shallow-water marine system 61 (1998) 39

Spatially and temporally sporadic appearance of macrophytes in the littoral zone of Lake Kinneret, Israel: taking advantage of a window of opportunity 62 (1999) 249

Disturbance

Effects of salinity and water level on coastal marshes: an experimental test of disturbance as a catalyst for vegetation change 61 (1998) 255

Dune slack

Interaction between algae and seed germination in tropical dune slack species: a facilitation process 60 (1998) 409

Eastern Asia

Taxonomy and distribution of *Zostera (Zosteraceae)* in eastern Asia, with special reference to Korea 60 (1998) 49

Ecology

Structure of major seagrass beds from three coral reef atolls of Lakshadweep, Arabian Sea, India 60 (1998) 397

Eelgrass

Suitability of *Zostera marina* populations for transplantation to the Wadden Sea as determined by a mesocosm shading experiment 60 (1998) 283

Electrophoresis

Gene flow and genetic diversity of turtle grass, *Thalassia testudinum*, banks ex König, in the lower Florida Keys 61 (1998) 147

Emergence

Competition between *Chara aspera* and *Potamogeton pectinatus* as a function of temperature and light 60 (1998) 241

Emergent macrophytes

An investigation into the effects of nitrogen on growth and morphology of stable and die-back populations of *Phragmites australis* 60 (1998) 11

Plastic and non-plastic variation in growth of newly established clones of *Scirpus (Bolboschoenus) maritimus L.* grown at different water depths 62 (1998) 1

Emergent vegetation

Water level affects growth of endangered northeastern bulrush, *Scirpus aciculatus* Schuyler 60 (1998) 213

Emersion

Limitation of carbon assimilation of intertidal *Zostera noltii* and *Z. marina* by desiccation at low tide 62 (1998) 171

Endangered species

Water level affects growth of endangered northeastern bulrush, *Scirpus aciculatus* Schuyler 60 (1998) 213

Endemic species

The world's longest seagrass, *Zostera caulescens* from northeastern Japan 61 (1998) 87

Endemic

Flowering phenology, pollen flow, and seed production in *Marathrum rubrum* (Podostemaceae) 62 (1998) 199

Epifauna

Plant-animal associations in two species of seagrasses in Western Australia 60 (1998) 359

Epilithic algae

Current velocity and the establishment of stream algal periphyton communities 60 (1998) 1

Epiphytes

Plant-animal associations in two species of seagrasses in Western Australia 60 (1998) 359

Effects of *Calpensia nobilis* (Esper 1796) (Bryozoa: Cheilostomida) on the seagrass *Posidonia oceanica* (L.) Delile 62 (1999) 217

Estuarine

Factors controlling seagrass growth in a gulf coastal system: Water and sediment quality and light 60 (1998) 135

Eutrophication

An investigation into the effects of nitrogen on growth and morphology of stable and die-back populations of *Phragmites australis* 60 (1998) 11

Seasonal changes in dissolved amino acids and sugars in basal culm internodes as physiological indicators of the C/N-balance of *Phragmites australis* at littoral sites of different trophic status 60 (1998) 221

Rhizome respiration of *Phragmites australis*: Effect of rhizome age, temperature, and nutrient status of the habitat 61 (1998) 239

Everglades

Factors influencing cattail abundance in the northern Everglades 60 (1998) 265

Quantifying aboveground biomass and estimating net aboveground primary production for wetland macrophytes using a non-destructive phenometric technique 62 (1998) 115

Facilitation

Interaction between algae and seed germination in tropical dune slack species: a facilitation process 60 (1998) 409

Fallen litter

Seasonal and vertical demography of dead portions of shoots of smooth cordgrass in a south-temperate saltmarsh 60 (1998) 325

Fetch

The relative effects of water depth, fetch and other physical factors on the development of macrophytes in a small southeastern US pond 61 (1998) 289

Field experiment

Ecological limits to the invasion of *Sargassum muticum* in northern Spain 60 (1998) 251

Filamentous algae control

Competitive reduction of noxious *Lyngbya wollei* mats by rooted aquatic plants 61 (1998) 17

Fire

Factors influencing cattail abundance in the northern Everglades 60 (1998) 265

Floral biology

Flowering phenology, pollen flow, and seed production in *Marathrum rubrum* (Podostemaceae) 62 (1998) 199

Florida

Quantifying aboveground biomass and estimating net aboveground primary production for wetland macrophytes using a non-destructive phenometric technique 62 (1998) 115

Flower induction

The effect of temperature on the photosynthesis, growth and reproduction of a Mediterranean submerged macrophyte, *Ruppia drepansis* 60 (1998) 169

Flowering shoot

The world's longest seagrass, *Zostera caulescens* from northeastern Japan 61 (1998) 87

Founder effects

Lack of detectable isozyme variability in British populations of *Potamogeton epihydrus* (Potamogetonaceae) 60 (1998) 433

Fragmentation

Comparative abilities of vegetative regeneration among aquatic plants growing in disturbed habitats 60 (1998) 201

Freeze

Response of shoal grass, *Halodule wrightii*, to extreme winter conditions in the Lower Laguna Madre, Texas 62 (1998) 107

Freshwater

Sulfate reduction in lake sediments inhabited by the isoetid macrophytes *Littorella uniflora* and *Isoetes lacustris* 60 (1998) 307

Formation of root plaques and their influence on tissue phosphorus content in *Lobelia dortmanna* 61 (1998) 111

Fungi

Fungal associations in the roots of three species of *Isoetes* L. 61 (1998) 33

Genetic variability

Lack of detectable isozyme variability in British populations of *Potamogeton epihydrus* (Potamogetonaceae) 60 (1998) 433

Genetic variation

Randomly amplified polymorphism detection (RAPD) reveals high genetic diversity in *Thalassia testudinum* banks ex König (Turtlegrass) 61 (1998) 269

Clonal diversity in the submerged macrophyte *Potamogeton pectinatus* L. inferred from nuclear and cytoplasmic variation 62 (1998) 147

Germination

Interaction between algae and seed germination in tropical dune slack species: a facilitation process 60 (1998) 409

Studies on germination and root development in the surfgrass *Phyllospadix torreyi*: implications for habitat restoration 62 (1998) 71

Seed germination responses to some environmental factors in the seagrass *Zostera capricorni* from eastern Australia 62 (1998) 177

GIS

The relative effects of water depth, fetch and other physical factors on the development of macrophytes in a small southeastern US pond 61 (1998) 289

Growth

Growth and recruitment in *Vallisneria americana* as related to average irradiance in the water column 61 (1998) 181

Competition between *Hydrilla verticillata* and *Vallisneria americana* as influenced by soil fertility 62 (1999) 225

Spatially and temporally sporadic appearance of macrophytes in the littoral zone of Lake Kinneret, Israel: taking advantage of a window of opportunity 62 (1999) 249

Growth rate

Effects of inorganic carbon supply on the nitrogen requirement of two submerged macrophytes, *Eloea canadensis* and *Callitrichia cophocarpa* 62 (1998) 95

Halodule wrightii

Response of shoal grass, *Halodule wrightii*, to extreme winter conditions in the Lower Laguna Madre, Texas 62 (1998) 107

Halophila decipiens

In vitro culture of the seagrass *Halophila decipiens* 60 (1998) 377

Haloragaceae

Myriophyllum quitense Kunth (Haloragaceae) in Bolivia: A terrestrial growth-form with bisexual flowers *M. quitense* 60 (1998) 389

Helophyte

Four helophyte species growing under salt stress their salt of life? 62 (1998) 81

Herbivory

Patterns in leaf herbivory on seagrasses 60 (1998) 67

Response of a Texas *distichlis spicata* coastal marsh following lesser snow goose herbivory 61 (1998) 301

Hormone

Studies on germination and root development in the surfgrass *Phyllospadix torreyi*: implications for habitat restoration 62 (1998) 71

Hydrocharitaceae

Gene flow and genetic diversity of turtle grass, *Thalassia testudinum*, banks ex König, in the lower Florida Keys 61 (1998) 147

Hydrology

Factors influencing cattail abundance in the northern Everglades 60 (1998) 265

In vitro germination

In vitro germination and seedling development of *Posidonia oceanica* 60 (1998) 83

Interaction

Influences of nine algal species isolated from duckweed-covered sewage miniponds on *Lemna gibba* L. 60 (1998) 189

Internal gas transport

The influence of convective flow on rhizome length in *Typha domingensis* over a water depth gradient 62 (1998) 57

Intertidal zones

Limitation of carbon assimilation of intertidal *Zostera noltii* and *Z. marina* by desiccation at low tide 62 (1998) 171

Invasion

Ecological limits to the invasion of *Sargassum muticum* in northern Spain 60 (1998) 251

IRGA

A closed chamber CO₂ flux method for estimating marsh productivity 62 (1998) 33

Iron

Formation of root plaques and their influence on tissue phosphorus content in *Lobelia dortmanna* 61 (1998) 111

Irrigation channels

Vegetation-environment relationships in irrigation channel systems of southern Argentina 60 (1998) 119

Isoetes

Fungal associations in the roots of three species of *Isoetes* L. 61 (1998) 33

Isoetid

Formation of root plaques and their influence on tissue phosphorus content in *Lobelia dortmanna* 61 (1998) 111

Isozymes

Lack of detectable isozyme variability in British populations of *Potamogeton epihydrus* (Potamogetonaceae) 60 (1998) 433

Karyotype

Karyomorphological studies of Mexican species of *Marathrum* (Podostemaceae) 62 (1998) 207

Korea

Taxonomy and distribution of *Zostera* (Zosteraceae) in eastern Asia, with special reference to Korea 60 (1998) 49

Laguna Madre

Response of shoal grass, *Halodule wrightii*, to extreme winter conditions in the Lower Laguna Madre, Texas 62 (1998) 107

Lakshadweep atolls

Structure of major seagrass beds from three coral reef atolls of Lakshadweep, Arabian Sea, India 60 (1998) 397

Leaf demography

The effect of time of exposure to NaCl on leaf demography and growth for two non-halophytic wetland macrophytes, *Potamogeton tricarinatus* F. Muell. and A. Benn. Ex A. Benn. and *Triglochin procera* R.Br. 62 (1998) 19

Leaf growth

The effect of time of exposure to NaCl on leaf demography and growth for two non-halophytic wetland macrophytes, *Potamogeton tricarinatus* F. Muell. and A. Benn. Ex A. Benn. and *Triglochin procera* R.Br. 62 (1998) 19

Leaf production

Patterns in leaf herbivory on seagrasses 60 (1998) 67

Leaf water status

Limitation of carbon assimilation of intertidal *Zostera noltii* and *Z. marina* by desiccation at low tide 62 (1998) 171

Lemna

The duckweed *Lemna minor* compared with the alga *Selenastrum capricornutum* for bioassay of pond-water richness 60 (1998) 27

Lemna gibba

Influences of nine algal species isolated from duckweed-covered sewage miniponds on *Lemna gibba* L. 60 (1998) 189

Lesser snow geese

Response of a Texas *distichlis spicata* coastal marsh following lesser snow goose herbivory 61 (1998) 301

Life histories

Long-term dynamics of *typha* populations 61 (1998) 137

Light

Growth and recruitment in *Vallisneria americana* as related to average irradiance in the water column 61 (1998) 181

Light availability

Suitability of *Zostera marina* populations for transplantation to the Wadden Sea as determined by a mesocosm shading experiment 60 (1998) 283

Light transmission

Factors controlling seagrass growth in a gulf coastal system: Water and sediment quality and light 60 (1998) 135

Live standing crop

Quantifying aboveground biomass and estimating net aboveground primary production for wetland macrophytes using a non-destructive phenometric technique 62 (1998) 115

Long-term dynamics

Long-term dynamics of *Typha* populations 61 (1998) 137

Lyngbya wollei

Competitive reduction of noxious *Lyngbya wollei* mats by rooted aquatic plants 61 (1998) 17

Macrophyte

Growth and recruitment in *Vallisneria americana* as related to average irradiance in the water column 61 (1998) 181

The relative effects of water depth, fetch and other physical factors on the development of macrophytes in a small southeastern US pond 61 (1998) 289

Macrophyte community

Biomass production and NPK retention in macrophytes from wetlands of the Tingitan Peninsula 62 (1998) 45

Macrophytes

Vegetation-environment relationships in irrigation channel systems of southern Argentina 60 (1998) 119

The effect of time of exposure to NaCl on leaf demography and growth for two non-halophytic wetland macrophytes, *Potamogeton tricarinatus* F. Muell. and A. Benn. Ex A. Benn. and *Triglochin procera* R.Br. 62 (1998) 19

Manganese

Formation of root plaques and their influence on tissue phosphorus content in *Lobelia dortmanna* 61 (1998) 111

Marathrum

Karyomorphological studies of Mexican species of *Marathrum* (Podostemaceae) 62 (1998) 207

Metal immobilization

Zinc, lead and cadmium accumulation and tolerance in *Typha latifolia* as affected by iron plaque on the root surface 61 (1998) 55

Metal toxicity

Zinc, lead and cadmium accumulation and tolerance in *Typha latifolia* as affected by iron plaque on the root surface 61 (1998) 55

Methane cycling

Seasonal variation in methane oxidation by the rhizosphere of *Phragmites australis* and *Scirpus lacustris* 61 (1998) 95

Mexico

Flowering phenology, pollen flow, and seed production in *Marathrum rubrum* (Podostemaceae) 62 (1998) 199

Microbial processes

Seasonal variation in methane oxidation by the rhizosphere of *Phragmites australis* and *Scirpus lacustris* 61 (1998) 95

Monochoria korsakowii

Outcrossing rates as affected by pollinators and the heterozygote advantage of *Monochoria korsakowii* 62 (1998) 135

Morocco

Biomass production and NPK retention in macrophytes from wetlands of the Tingitan Peninsula 62 (1998) 45

Morphometric

Quantifying aboveground biomass and estimating net aboveground primary production for wetland macrophytes using a non-destructive phenometric technique 62 (1998) 115

Multivariate analysis

Vegetation-environment relationships in irrigation channel systems of southern Argentina 60 (1998) 119

Mycorrhiza

Formation of root plaques and their influence on tissue phosphorus content in *Lobelia dortmanna* 61 (1998) 111

Myriophyllum

Myriophyllum quitense Kunth (Haloragaceae) in Bolivia: A terrestrial growth-form with bisexual flowers *M. quitense* 60 (1998) 389

Net productivity

Biomass production and NPK retention in macrophytes from wetlands of the Tingitan Peninsula 62 (1998) 45

Nitrogen content

Seasonal changes in dissolved amino acids and sugars in basal culm internodes as physiological indicators of the C/N-balance of *Phragmites australis* at littoral sites of different trophic status 60 (1998) 221

Nitrogen use efficiency

Effects of inorganic carbon supply on the nitrogen requirement of two submerged macrophytes, *Elodea canadensis* and *Callitrichia cophocarpa* 62 (1998) 95

NPK retention

Biomass production and NPK retention in macrophytes from wetlands of the Tingitan Peninsula 62 (1998) 45

Nutrient enrichment

Competition between *Hydrilla verticillata* and *Vallisneria americana* as influenced by soil fertility 62 (1999) 225

Nutrients

Factors controlling seagrass growth in a gulf coastal system: Water and sediment quality and light 60 (1998) 135

Oligotrophic lake

Formation of root plaques and their influence on tissue phosphorus content in *Lobelia dortmanna* 61 (1998) 111

Oxygen stress

Growth and root oxygen release by *Typha latifolia* and its effects on sediment methanogenesis 61 (1998) 165

PAM fluorescence

Photoinhibition in Mediterranean macroalgae by solar radiation measured on site by PAM fluorescence 61 (1998) 225

Parsimony maximum likelihood

Chloroplast tRNA^{Leu} (UAA) intron sequences provide phylogenetic resolution of seagrass relationships 62 (1999) 269

Periphyton

Plant-animal associations in two species of seagrasses in Western Australia 60 (1998) 359

Phaeophyta

Photoinhibition in Mediterranean macroalgae by solar radiation measured on site by PAM fluorescence 61 (1998) 225

Phanerogams

Interaction between algae and seed germination in tropical dune slack species: a facilitation process 60 (1998) 409

Phosphorus

Factors influencing cattail abundance in the northern Everglades 60 (1998) 265

Photoinhibition

Photoinhibition in Mediterranean macroalgae by solar radiation measured on site by PAM fluorescence 61 (1998) 225

Photoperiod

The effect of temperature on the photosynthesis, growth and reproduction of a Mediterranean submerged macrophyte, *Ruppia* *repanensis* 60 (1998) 169

Photosynthesis

Photosynthetic metabolism and major organic compounds in the marine brown alga *Desmarestia menziesii* from King George Island (Antarctica) 60 (1998) 105

Seasonal variations in P-I responses of *Chara hispida* L. and *Potamogeton pectinatus* L. from stream mediterranean ponds 61 (1998) 1

Phyllospadix torreyi

Studies on germination and root development in the surfgrass *Phyllospadix torreyi*: implications for habitat restoration 62 (1998) 71

Phylogenetics

Chloroplast tRNA^{Leu} (UAA) intron sequences provide phylogenetic resolution of seagrass relationships 62 (1999) 269

Pistia stratiotes

Axenic culture of *Pistia stratiotes* for use in plant biochemical studies 60 (1998) 161

Plant growth

Water level affects growth of endangered northeastern bulrush, *Scirpus ancistrochaetus* Schuyler 60 (1998) 213

Planting density

Suitability of *Zostera marina* populations for transplantation to the Wadden Sea as determined by a mesocosm shading experiment 60 (1998) 283

Plasticity

An investigation into the effects of nitrogen on growth and morphology of stable and die-back populations of *Phragmites australis* 60 (1998) 11

Plastic and non-plastic variation in growth of newly established clones of *Scirpus* (*Bolboschoenus*) *maritimus* L. grown at different water depths 62 (1998) 1

Podostemaceae

Karyomorphological studies of Mexican species of *Marathrum* (Podostemaceae) 62 (1998) 207

Ponds

The duckweed *Lemna minor* compared with the alga *Seleniastrum capricornutum* for bioassay of pond-water richness 60 (1998) 27

Pontederia cordata

Competitive reduction of noxious *Lyngbya wollei* mats by rooted aquatic plants 61 (1998) 17

Pontederiaceae

Outcrossing rates as affected by pollinators and the heterozygote advantage of *Monochoria korsakowii* 62 (1998) 135

Port Phillip Bay

Distribution and spatial variation of benthic microalgal biomass in a temperate, shallow-water marine system 61 (1998) 39

Posidonia australis

Synchronous flowering of estuarine seagrass meadows 60 (1998) 37

Posidonia oceanica

Effects of *Calpensia nobilis* (Esper 1796) (Bryozoa: Cheilostomida) on the seagrass *Posidonia oceanica* (L.) Delile 62 (1999) 217

Potamogeton nodosus

Competitive reduction of noxious *Lyngbya wollei* mats by rooted aquatic plants 61 (1998) 17

Potamogeton pectinatus

Seasonal variations in P-I responses of *Chara hispida* L. and *Potamogeton pectinatus* L. from stream mediterranean ponds 61 (1998) 1

Spatially and temporally sporadic appearance of macrophytes in the littoral zone of Lake Kinneret, Israel: taking advantage of a window of opportunity 62 (1999) 249

Potamogeton

Euploid and aneuploid evolution in *Potamogeton* (Potamogetonaceae): a factual basis for interpretation 60 (1998) 337

Potamogeton

Vegetation-environment relationships in irrigation channel systems of southern Argentina 60 (1998) 119

Lack of detectable isozyme variability in British populations of *Potamogeton epihydrus* (Potamogetonaceae) 60 (1998) 433

Potamogetonaceae

Euploid and aneuploid evolution in *Potamogeton* (Potamogetonaceae): a factual basis for interpretation 60 (1998) 337

Primary production

Seasonal variation in biomass, morphometric parameters and production of seagrasses in the lagoon of Venice 61 (1998) 207

Production

Above- and below-ground biomass and production by *Thalassia testudinum* in a tropical reef lagoon 61 (1998) 69

Productivity

An investigation into the effects of nitrogen on growth and morphology of stable and die-back populations of *Phragmites australis* 60 (1998) 11

Pulp mill effluents

Factors controlling seagrass growth in a gulf coastal system: Water and sediment quality and light 60 (1998) 135

RAPD

Randomly amplified polymorphism detection (RAPD) reveals high genetic diversity in *Thalassia testudinum* banks ex König (Turtlegrass) 61 (1998) 269

Clonal diversity in the submerged macrophyte *Potamogeton pectinatus* L. inferred from nuclear and cytoplasmic variation 62 (1998) 147

RbcL

Chloroplast tRNA^{Leu} (UAA) intron sequences provide phylogenetic resolution of seagrass relationships 62 (1999) 269

Recruitment

Ecological limits to the invasion of *Sargassum muticum* in northern Spain 60 (1998) 251

Redox potential

Growth and root oxygen release by *Typha latifolia* and its effects on sediment methanogenesis 61 (1998) 165

Reed decline

Rhizome respiration of *Phragmites australis*: Effect of rhizome age, temperature, and nutrient status of the habitat 61 (1998) 239

Reed

Effects of salinity and sulfide on the distribution of *Phragmites australis* and *Spartina alterniflora* in a tidal saltmarsh 62 (1998) 161

Re-establishment

Suitability of *Zostera marina* populations for transplantation to the Wadden Sea as determined by a mesocosm shading experiment 60 (1998) 283

Regeneration

The regeneration potential of the seed bank of an ephemeral floodplain in South Africa 61 (1998) 123

Reproduction

Synchronous flowering of estuarine seagrass meadows 60 (1998) 37

Reproductive biology

Myriophyllum quitense Kunth (Haloragaceae) in Bolivia: A terrestrial growth-form with bisexual flowers *M. quitense* 60 (1998) 389

Reproductive strategy

Suitability of *Zostera marina* populations for transplantation to the Wadden Sea as determined by a mesocosm shading experiment 60 (1998) 283

Resilience

The regeneration potential of the seed bank of an ephemeral floodplain in South Africa 61 (1998) 123

Restoration

Studies on germination and root development in the surfgrass *Phyllospadix torreyi*: implications for habitat restoration 62 (1998) 71

Four helophyte species growing under salt stress their salt of life? 62 (1998) 81

Effects of salinity and sulfide on the distribution of *Phragmites australis* and *Spartina alterniflora* in a tidal saltmarsh 62 (1998) 161

Rhizome

The influence of convective flow on rhizome length in *Typha domingensis* over a water depth gradient 62 (1998) 57

Rhizosphere

Effects of salinity and sulfide on the distribution of *Phragmites australis* and *Spartina alterniflora* in a tidal saltmarsh 62 (1998) 161

Rhodophyta

Photoinhibition in Mediterranean macroalgae by solar radiation measured on site by PAM fluorescence 61 (1998) 225

River murray

Growth and recruitment in *Vallisneria americana* as related to average irradiance in the water column 61 (1998) 181

Root development

Growth and root oxygen release by *Typha latifolia* and its effects on sediment methanogenesis 61 (1998) 165

Root-rhizome layer

In vitro culture of the seagrass *Halophila decipiens* 60 (1998) 377

Roots

Fungal associations in the roots of three species of *Isoetes* L. 61 (1998) 33

Studies on germination and root development in the surfgrass *Phyllospadix torreyi*: implications for habitat restoration 62 (1998) 71

Sagittaria lancifolia

Effects of salinity and water level on coastal marshes: an experimental test of disturbance as a catalyst for vegetation change 61 (1998) 255

Salicornia virginica

Response of a Texas *distichlis spicata* coastal marsh following lesser snow goose herbivory 61 (1998) 301

Salinity

The effect of time of exposure to NaCl on leaf demography and growth for two non-halophytic wetland macrophytes, *Potamogeton tricarinatus* F. Muell. and A. Benn. Ex A. Benn. and *Triglochin procerum* R.Br. 62 (1998) 19

Seed germination responses to some environmental factors in the seagrass *Zostera capricorni* from eastern Australia 62 (1998) 177

Salt marsh

Response of a Texas *distichlis spicata* coastal marsh following lesser snow goose herbivory 61 (1998) 301

A closed chamber CO₂ flux method for estimating marsh productivity 62 (1998) 33

Saltmarsh

Seasonal and vertical demography of dead portions of shoots of smooth cordgrass in a south-temperate saltmarsh 60 (1998) 325

Salt tolerance

Four halophyte species growing under salt stress their salt of life? 62 (1998) 81

Sampling strategies

Seasonal variation in biomass, morphometric parameters and production of seagrasses in the lagoon of Venice 61 (1998) 207

Sargassum muticum

Ecological limits to the invasion of *Sargassum muticum* in northern Spain 60 (1998) 251

Sawgrass

Factors influencing cattail abundance in the northern Everglades 60 (1998) 265

Sea level rise

Effects of salinity and water level on coastal marshes: an experimental test of disturbance as a catalyst for vegetation change 61 (1998) 255

Seagrass

Patterns in leaf herbivory on seagrasses 60 (1998) 67

In vitro germination and seedling development of *Posidonia oceanica* 60 (1998) 83

Suitability of *Zostera marina* populations for transplantation to the Wadden Sea as determined by a mesocosm shading experiment 60 (1998) 283

Plant-animal associations in two species of seagrasses in Western Australia 60 (1998) 359

Above- and below-ground biomass and production by *Thalassia testudinum* in a tropical reef lagoon 61 (1998) 69

Gene flow and genetic diversity of turtle grass, *Thalassia testudinum*, banks ex König, in the lower Florida Keys 61 (1998) 147

Randomly amplified polymorphism detection (RAPD) reveals high genetic diversity in *Thalassia testudinum* banks ex König (Turtlegrass) 61 (1998) 269

Studies on germination and root development in the surfgrass *Phyllospadix torreyi*: implications for habitat restoration 62 (1998) 71

Response of shoal grass, *Halodule wrightii*, to extreme winter conditions in the Lower Laguna Madre, Texas 62 (1998) 107

Limitation of carbon assimilation of intertidal *Zostera noltii* and *Z. marina* by desiccation at low tide 62 (1998) 171

Seed germination responses to some environmental factors in the seagrass *Zostera capricorni* from eastern Australia 62 (1998) 177

Developmental changes of sucrose synthase activity and abundance in root and leaf tissues of *Zostera marina* 62 (1998) 189

Effects of *Calpensia nobilis* (Esper 1796) (Bryozoa: Cheilostomida) on the seagrass *Posidonia oceanica* (L.) Delile 62 (1999) 217

Chloroplast tRNA^{Leu} (UAA) intron sequences provide phylogenetic resolution of seagrass relationships 62 (1999) 269

Seagrass environment

Structure of major seagrass beds from three coral reef atolls of Lakshadweep, Arabian Sea, India 60 (1998) 397

Seagrasses

Seasonal variation in biomass, morphometric parameters and production of seagrasses in the lagoon of Venice 61 (1998) 207

Sediment oxygen demand

Growth and root oxygen release by *Typha latifolia* and its effects on sediment methanogenesis 61 (1998) 165

Sediment quality

Factors controlling seagrass growth in a gulf coastal system: Water and sediment quality and light 60 (1998) 135

Sediments

Structure of major seagrass beds from three coral reef atolls of Lakshadweep, Arabian Sea, India 60 (1998) 397

Sediment slope

The relative effects of water depth, fetch and other physical factors on the development of macrophytes in a small southeastern US pond 61 (1998) 289

Seed bank

The regeneration potential of the seed bank of an ephemeral floodplain in South Africa 61 (1998) 123

Seed production

The effect of temperature on the photosynthesis, growth and reproduction of a Mediterranean submerged macrophyte, *Ruppia drepansis* 60 (1998) 169

Seedling development

In vitro germination and seedling development of *Posidonia oceanica* 60 (1998) 83

Four helophyte species growing under salt stress their salt of life? 62 (1998) 81

Seeds

Effects of a deposit-feeding invertebrate on the entrapment of *Zostera marina* L. seeds 62 (1999) 235

Selenastrum

The duckweed *Lemna minor* compared with the alga *Selenastrum capricornutum* for bioassay of pond-water richness 60 (1998) 27

Senescence

Developmental changes of sucrose synthase activity and abundance in root and leaf tissues of *Zostera marina* 62 (1998) 189

Smooth cordgrass

Seasonal and vertical demography of dead portions of shoots of smooth cordgrass in a south-temperate saltmarsh 60 (1998) 325

Solar radiation

Photoinhibition in Mediterranean macroalgae by solar radiation measured on site by PAM fluorescence 61 (1998) 225

South America

Vegetation-environment relationships in irrigation channel systems of southern Argentina 60 (1998) 119

Spartina alterniflora

Seasonal and vertical demography of dead portions of shoots of smooth cordgrass in a south-temperate saltmarsh 60 (1998) 325

Spartina patens

Effects of salinity and water level on coastal marshes: an experimental test of disturbance as a catalyst for vegetation change 61 (1998) 255

Spatial scale

Synchronous flowering of estuarine seagrass meadows 60 (1998) 37

Spatial variation

Distribution and spatial variation of benthic microalgal biomass in a temperate, shallow-water marine system 61 (1998) 39

Specific leaf growth rate

Patterns in leaf herbivory on seagrasses 60 (1998) 67

Standing crop

Seasonal changes in dissolved amino acids and sugars in basal culm internodes as physiological indicators of the C/N-balance of *Phragmites australis* at littoral sites of different trophic status 60 (1998) 221

Standing dead biomass

Seasonal and vertical demography of dead portions of shoots of smooth cordgrass in a south-temperate saltmarsh 60 (1998) 325

Storage carbohydrates

Photosynthetic metabolism and major organic compounds in the marine brown alga *Desmarestia menziesii* from King George Island (Antarctica) 60 (1998) 105

Storage pools

Seasonal changes in dissolved amino acids and sugars in basal culm internodes as physiological indicators of the C/N-balance of *Phragmites australis* at littoral sites of different trophic status 60 (1998) 221

Strategies

Comparative abilities of vegetative regeneration among aquatic plants growing in disturbed habitats 60 (1998) 201

Stream pond

Seasonal variations in P-I responses of *Chara hispida* L. and *Potamogeton pectinatus* L. from stream mediterranean ponds 61 (1998) 1

Structure

Structure of major seagrass beds from three coral reef atolls of Lakshadweep, Arabian Sea, India 60 (1998) 397

Submerged aquatic vegetation

Factors controlling seagrass growth in a gulf coastal system: Water and sediment quality and light 60 (1998) 135

Submerged macrophytes

Sulfate reduction in lake sediments inhabited by the isoetid macrophytes *Littorella uniflora* and *Isoetes lacustris* 60 (1998) 307

Submerged macrophytes

Competition between *Chara aspera* and *Potamogeton pectinatus* as a function of temperature and light 60 (1998) 241

Subtropical

Response of shoal grass, *Halodule wrightii*, to extreme winter conditions in the Lower Laguna Madre, Texas 62 (1998) 107

Sucrose

Seasonal changes in dissolved amino acids and sugars in basal culm internodes as physiological indicators of the C/N-balance of *Phragmites australis* at littoral sites of different trophic status 60 (1998) 221

Sucrose synthase

Developmental changes of sucrose synthase activity and abundance in root and leaf tissues of *Zostera marina* 62 (1998) 189

Sulfate reduction

Sulfate reduction in lake sediments inhabited by the isoetid macrophytes *Littorella uniflora* and *Isoetes lacustris* 60 (1998) 307

Sulfur pools

Sulfate reduction in lake sediments inhabited by the isoetid macrophytes *Littorella uniflora* and *Isoetes lacustris* 60 (1998) 307

Tactics

Comparative abilities of vegetative regeneration among aquatic plants growing in disturbed habitats 60 (1998) 201

Taxonomy

Taxonomy and distribution of *Zostera* (*Zosteraceae*) in eastern Asia, with special reference to Korea 60 (1998) 49

Temperature

Competition between *Chara aspera* and *Potamogeton pectinatus* as a function of temperature and light 60 (1998) 241

Temporary wetland

The regeneration potential of the seed bank of an ephemeral floodplain in South Africa 61 (1998) 123

Texas

Response of shoal grass, *Halodule wrightii*, to extreme winter conditions in the Lower Laguna Madre, Texas 62 (1998) 107

Thalassia testudinum

Randomly amplified polymorphism detection (RAPD) reveals high genetic diversity in *Thalassia testudinum* banks ex König (Turtlegrass) 61 (1998) 269

Thermal response

The effect of temperature on the photosynthesis, growth and reproduction of a Mediterranean submerged macrophyte, *Ruppia drepansis* 60 (1998) 169

Trade-off

Comparative abilities of vegetative regeneration among aquatic plants growing in disturbed habitats 60 (1998) 201

TrnL intron

Chloroplast tRNA^{Leu} (UAA) intron sequences provide phylogenetic resolution of seagrass relationships 62 (1999) 269

Trophic status

The duckweed *Lemna minor* compared with the alga *Selenastrum capricornutum* for bioassay of pond-water richness 60 (1998) 27

Tropical

Above- and below-ground biomass and production by *Thalassia testudinum* in a tropical reef lagoon 61 (1998) 69

Turbidity

Growth and recruitment in *Vallisneria americana* as related to average irradiance in the water column 61 (1998) 181

Typha

Factors influencing cattail abundance in the northern Everglades 60 (1998) 265

Long-term dynamics of *Typha* populations 61 (1998) 137

Vegetation change

Effects of salinity and water level on coastal marshes: an experimental test of disturbance as a catalyst for vegetation change 61 (1998) 255

Vegetative reproduction

Comparative abilities of vegetative regeneration among aquatic plants growing in disturbed habitats 60 (1998) 201

Venice lagoon

Seasonal variation in biomass, morphometric parameters and production of seagrasses in the lagoon of Venice 61 (1998) 207

Vertical profile

Seasonal and vertical demography of dead portions of shoots of smooth cordgrass in a south-temperate saltmarsh 60 (1998) 325

Wastewater

Influences of nine algal species isolated from duckweed-covered sewage miniponds on *Lemna gibba* L. 60 (1998) 189

Water color

Factors controlling seagrass growth in a gulf coastal system: Water and sediment quality and light 60 (1998) 135

Water depth

Water level affects growth of endangered north-eastern bulrush, *Scirpus ancistrochaetus* Schuyler 60 (1998) 213

Water lettuce

Axenic culture of *Pistia stratiotes* for use in plant biochemical studies 60 (1998) 161

Water level fluctuations

Spatially and temporally sporadic appearance of macrophytes in the littoral zone of Lake Kinneret, Israel: taking advantage of a window of opportunity 62 (1999) 249

Water regime

The regeneration potential of the seed bank of an ephemeral floodplain in South Africa 61 (1998) 123

Watermilfoil

Myriophyllum quitense Kunth (Haloragaceae) in Bolivia: A terrestrial growth-form with bisexual flowers *M. quitense* 60 (1998) 389

Wave exposure

Ecological limits to the invasion of *Sargassum muticum* in northern Spain 60 (1998) 251

Wetland

Seasonal variation in methane oxidation by the rhizosphere of *Phragmites australis* and *Scirpus lacustris* 61 (1998) 95

Wetland plants

Long-term dynamics of *Typha* populations 61 (1998) 137

Wetlands

Zinc, lead and cadmium accumulation and tolerance in *Typha latifolia* as affected by iron plaque on the root surface 61 (1998) 55

The effect of time of exposure to NaCl on leaf demography and growth for two non-halophytic wetland macrophytes, *Potamogeton tricarinatus* F. Muell. and A. Benn. Ex A. Benn. and *Triglochin procerum* R.Br. 62 (1998) 19

A closed chamber CO₂ flux method for estimating marsh productivity 62 (1998) 33

Effects of salinity and sulfide on the distribution of *Phragmites australis* and *Spartina alterniflora* in a tidal saltmarsh 62 (1998) 161

Zostera

Taxonomy and distribution of *Zostera* (*Zosteraceae*) in eastern Asia, with special reference to Korea 60 (1998) 49

Developmental changes of sucrose synthase activity and abundance in root and leaf tissues of *Zostera marina* 62 (1998) 189

Zostera capricorni

Synchronous flowering of estuarine seagrass meadows 60 (1998) 37

Zostera marina

Seasonal variation in biomass, morphometric parameters and production of seagrasses in the lagoon of Venice 61 (1998) 207

Effects of a deposit-feeding invertebrate on the entrapment of *Zostera marina* L. seeds 62 (1999) 235

Zostera noltii

Seasonal variation in biomass, morphometric parameters and production of seagrasses in the lagoon of Venice 61 (1998) 207

Zosterella

Taxonomy and distribution of *Zostera* (*Zosteraceae*) in eastern Asia, with special reference to Korea 60 (1998) 49

